

PATENT COOPERATION TREATY

From the Japan Patent Office (INTERNATIONAL SEARCHING AUTHORITY)

PCT

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**
(Implementing Regulation 40 bis)
(PCT Rule 43bis.1)

To: Agent for applicant

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Date of mailing (day/month/year)	19. 04. 2005
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FOR FURTHER ACTION

See paragraph 2 below

International application No. PCT/JP2005/002392	International filing date (day/month/year) 17. 02. 2005	Priority date (day/month/year) 25. 02. 2004
International Patent Classification (IPC) Int. Cl. ⁷ H01Q 13/08, H01Q 1/38, H01Q 9/04		
Applicant Murata Manufacturing Co., Ltd.		

1. This opinion contains indications relating to the following items:

- Box No. I** Basis of the opinion
- Box No. II** Priority
- Box No. III** Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV** Lack of unity of invention
- Box No. V** Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI** Certain documents cited
- Box No. VII** Certain defects in the international application
- Box No. VIII** Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220

3. For further details, see notes to Form PCT/ISA/220

Date of completion of this opinion 04. 04. 2005	Authorized officer Noboru NISHIYAMA Telephone No. 03-3581-1101 Ext. 3526
Name and mailing address of the ISA/JP Japan Patent Office 3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan	5T 3245

WRITTEN OPINION OF THE
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International application No.
PCT/JP2005/002392

Box No. I Basis of this opinion

1. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 This opinion has been established on the basis of a translation from the original language into the following language _____, which is the language of a translation furnished for the purpose of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material
 a sequence listing
 table(s) related to the sequence listing
 - b. format of material
 in written format
 in computer readable form
 - c. time of filing/furnishing
 contained in the international application as filed.
 filed together with the international application in computer readable form.
 furnished subsequently to this Authority for the purposes of search.
3. In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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Box No. V **Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

1. Statement

Novelty (N)	Claims _____	YES
	Claims _____ 1-4	NO
Inventive step (IS)	Claims _____	YES
	Claims _____ 1-4	NO
Industrial applicability (IA)	Claims _____ 1-4	YES
	Claims _____	NO

2. Citations and explanations:

Document 1: JP 2000-215732 A (Murata Manufacturing Company, Ltd.), Aug. 4, 2000, full text, all figures (no family)

Claims 1 to 4 of the invention lack novelty. Document 1 (particularly in paragraphs [0028] and [0030] and Table 5) has disclosed that the material of an antenna substrate contains a thermoplastic resin (SPS, LCP), ceramic powder, and maleic acid-modified SEBS. It is easily understood that those skilled in the art are likely to select known thermoplastic resins, such as polypropylenes and polyethylenes, as well as SPS and LCP, as the constituent thermoplastic resin of the antenna substrate.